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**Subject:** DW and WW assessment forms and codes  
**Date:** Friday, September 01, 2017 3:25:11 PM  
**Attachments:** [Waste Water Operational Status Codes 20151201.pdf](#)  
[Drinking Water Evaluation Data Sheet.pdf](#)  
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Steve,

Eric asked me to send these to you. They are the state's forms.

Kim

## WASTE WATER OPERATIONAL STATUS CODES

Overall Evaluation Status Codes as well as codes specific to the collection system and wastewater treatment plant are presented in this document.

**Current Status:** At the end of the evaluation choose the operational status code (from the table) that best describes the condition of the system **AT THE TIME OF THE CURRENT ASSESSMENT**. Codes that result in Red & Yellow will require follow up.

### OVERALL WASTEWATER OPERATIONAL STATUS CODES

Status Code	Status Detail	Status Code Description
OK	No Problems	WWTP and Collection system fully operational and on grid power
DES	System Destroyed	WWTP or Collection System is destroyed beyond repair.
OpGen	WWTP and/or Collection on Generator or bypass pumps for LS	WWTP and/or Collection system is fully operational and on Generator Power or bypass pumps.
Pop	WWTP and/or Collection Partially Operational SSO	WWTP and/or Collection partially operational
NonOp	WWTP and/or Collection non operational no SSO	WWTP and/or Collection non operational
SITE	Site Visit Needed	Phone contact attempted multiple times. Site Visit will be conducted
OUT	Out of Contact - phone eval only	Contact attempted by phone but system unreachable. Will call again
UNKNOWN	Contact Pending - Phone eval only	No Information is available. No contact has been made.

**Wastewater Operational Definition** - All domestic wastewater collected, treated then discharged or land applied is permitted through the Texas Pollution Discharge Elimination System (30 TAC 305 rules) and discharges are required to meet the standards set by the Texas Surface Water Quality Standards and the Federal Clean Water Act. The wastewater collection and treatment system is able to meet these requirements on a permanent basis in lieu of a temporary basis in response to the incident. This definition does not include "onsite wastewater treatments systems" regulated under 30 TAC 285.

## WW COLLECTION SYSTEM AND WWTP STATUS CODES

Status Code	Status Detail	Status Code Description
OKT	No Problems WWTP	Contacted or Site Visit conducted. WWTP system fully operational and/or on grid power
OKC	No Problems Collection	Contacted or Site Visit conducted. Collection system fully operational and/or on grid power
DES GT	System Destroyed WWTP on Generator	WWTP or Collection System is destroyed beyond repair. WWTP is fully operational and on Generator Power
GC	Collection on Generator	Collection System fully operational and each lift station on Generator Power.
GPTD	WWTP Partially Operational	WWTP partially operational on Generator with functional disinfection equipment
GPC	Collection Partially Operational	Collection system partially operational with portable pump/Generator moved from lift station to lift station or transporter pump and haul
NOTD	WWTP non operational no disinfection	WWTP non operational discharge of non disinfected effluent
NOTND	WWTP non operational no discharge	WWTP non operational no discharge
NOCSSO	Collection System non operational SSO occurring	Collection System non operational Sanitary Sewer Overflow occurring
NOCNSSO	Collection non operational no SSO occurring	Collection system non operational no Sanitary Sewer Overflow occurring
SITE	Site Visit Needed	Phone contact attempted multiple times. Site Visit will be conducted
OUT	Out of Contact	Contact attempted by phone but system unreachable. Will call again
UNKNOWN	Contact Pending	No Information is available. No contact has been made.

## DRINKING WATER EVALUATION DATA SHEET

System/Facility Name: \_\_\_\_\_ System/Facility ID: \_\_\_\_\_

Evaluation Date/Time: \_\_\_\_\_ Evaluation Type: ☐ Phone ☐ On Site ☐ E-mail

Lead Evaluator (Team Lead) Name: \_\_\_\_\_ Affiliation: ☐ TCEQ ☐ EPA ☐ START

1. Was a system POC available? ☐ Yes ☐ No Name: \_\_\_\_\_ Contact No.: \_\_\_\_\_

2. Characterize the extent of damage to the system/facility and surrounding area:

☐ N/A ☐ Minor ☐ Major ☐ Destroyed

3. What type of damage occurred at the system/facility?

☐ N/A ☐ Critical equipment (wells, tanks, pumps, ground/elevated storage tanks, interconnect, etc.)  
☐ Non-critical equipment (fencing, signage, etc)

4. What is the electrical power status?

☐ OnGrid ☐ OnGenerator ☐ No Grid-No Generator (offline) ☐ Part Grid-Part Generator

5. If generator is in use, how much fuel is remaining?

☐ N/A ☐ < 1 day ☐ < 3 days ☐ < 1 week ☐ > 1 week ☐ Unknown  
☐ Other \_\_\_\_\_

6. Is system/facility fully operational?

☐ Yes, fully ☐ Partial, with issues ☐ No, offline ☐ Unknown, no one available on-site/phone

7. Estimated time frame to restore system/facility to “fully operational” status?

☐ N/A ☐ Hours ☐ Days ☐ Weeks ☐ Months ☐ Unknown  
☐ Other \_\_\_\_\_

8. Does the system have elevated storage for pressure maintenance?

☐ Yes ☐ No

9. At any point, did the system lose pressure (below 20 psi)?

☐ Yes ☐ No ☐ Unknown

10. Has a Boil Water Notice (BWN) been issued? If, Yes Date of Issuance: \_\_\_\_\_

☐ N/A ☐ Yes ☐ No ☐ BWN Needed

11. What was the reason for the BWN being issued?

☐ N/A ☐ Pressure loss ☐ Line break ☐ No disinfection ☐ Other (write in comments)

12. Method of BWN issuance:

☐ N/A ☐ Hand delivery of notice to all residents ☐ Posted notice ☐ Media announcement

13. Date BWN lifted: \_\_\_\_\_ ☐ N/A

14. Are all customers in the system currently being supplied with potable water from the water distribution system?

☐ N/A ☐ Yes ☐ No (if the answer is **no or partial**, ask question 15) ☐ Partial  
☐ Unknown

15. Are customers being provided bottled water?

☐ Yes ☐ No ☐ Unknown Other (water hauler)

16. Is follow-up needed?

☐ No ☐ 1 Week ☐ 2 Weeks ☐ > 2 Weeks  
☐ Other \_\_\_\_\_

17. Current Overall Operational Status Code:

☐ OK ☐ CLEAR ☐ DESTROYED ☐ GENOK ☐ GENLP ☐ LP/LT  
☐ RESULTS ☐ LEOK ☐ INOP ☐ SITE ☐ OUT

## DRINKING WATER OPERATIONAL STATUS CODES

**Current Status:** At the end of the evaluation choose the operational status code (from the table) that best describes the condition of the system **AT THE TIME OF THE CURRENT ASSESSMENT**. Codes that result in Red & Yellow will require follow up.

Status Code	Status Detail	Status Code Description	BWN Detail
OK	No problems	Normal power was never lost (or was restored before pressure loss) AND System never lost treatment	Null
CLEAR	Lifted BWN due to negative BacT samples. Normal operations resumed	BW lifted – negative BacT results. System has returned to normal operations, on grid power and with treatment. Only use clear when sampling has been used to lift BWN, otherwise use OK	BWN lifted date
DESTROYED	System destroyed	No follow-up is necessary since the system no longer exists. Will work with residents to ensure potable water is supplied via connection to another system or other means	Null
GENOK	On generator – never lost pressure	Currently operating on emergency power/generator but system never lost pressure and/or treatment	Null
GENLP	On generator – lost pressure	Currently operating on emergency power/generator and system lost pressure and/or treatment before getting emergency power	BWN start date
LP/LT	Lost pressure & or Treatment	System on grid power but has lost pressure and or treatment and has not been able to lift BWN	BWN start date
RESULTS	BacT sample results pending	System functional, flushed, & BacT samples collected to clear BWN	BWN start date
LEOK	Lost Power – maintaining pressure	System has lost power but has enough storage capacity to maintain required pressure on a temporary basis. Will move to INOP if pressure is lost.	Null
INOP	Not Operating	Contact made with system. System is offline & or unable to maintain required pressure and/or treatment	Null
SITE	Site visit needed	Contact attempted multiple times by phone. Site visit will be conducted.	Null
OUT	Out of Contact	Contact attempted by phone but system is unreachable. Will call again.	Null
UNKNOWN	Contact Pending	No information is available. No contact has been made	Null

**Water Operational Definition:** – All drinking water served to customers is treated to National Primary Drinking Water Standards and is moving through all parts of the distribution system at or above the state required minimum pressure (20 psi OR 35 psi for Harris County). The system is able to meet these requirements on a permanent basis in lieu of a temporary basis in response to the incident.

**Boil Water Notice:** A BWN is required any time a system drops below 20 psi at any point in the distribution system. A 24 Hour public notification is required and a system must take bacteriological samples once the minimum 20 psi can be consistently maintained. Bacteriological sample analysis must return an “absent” result indicating the sample is absent of bacteriological contamination.

DW and WW Damage Level Definitions

NONE	No damage to the facility exists.
MINOR (can match an overall status code color of yellow or red)	Encompasses a wide range of damage and is generally the most common type of damage. Minor damage exists when one or more facilities are damaged and not functional, but may be made functional in a short period of time with in-house repairs in less than 30 days and has less than 50 percent damage to structure
MAJOR	When the system has sustained structural or significant damages, is uninhabitable and requires extensive repairs. Any one of the following may constitute major damage. Substantial failures to structural elements of the facilities of the water system (e.g., walls, floors, foundation, etc.). Facility has more than 50% damage to one or more critical structure(s). Damage that will take more than 30 days to repair.
DESTROYED	The structure is a total loss or damaged to such an extent that repairs are not economically feasible. Any one of the following may constitute a status of destroyed: structures are not economically feasible to repair; structures are permanently uninhabitable; and/or complete failure of major structural components (e.g., collapse of clearwell walls/foundation, walls, or roof).

## WASTEWATER EVALUATION DATA SHEET

System/Facility Name: \_\_\_\_\_ System/Facility ID: \_\_\_\_\_

Evaluation Date/Time: \_\_\_\_\_ Evaluation Type: ☐ Phone ☐ On Site ☐ E-mail

Lead Evaluator (Team Lead) Name: \_\_\_\_\_ Affiliation: ☐ TCEQ ☐ EPA ☐ START

1. Was a system POC available? ☐ Yes ☐ No POC Name: \_\_\_\_\_ Contact #: \_\_\_\_\_

2. Characterize the extent of damage to the system/facility and surrounding area:

☐ N/A ☐ Minor ☐ Major ☐ Destroyed

3. What is the electrical power status?

☐ On Grid ☐ On Generator ☐ No Grid-No Generator (offline) ☐ Part Grid-Part Generator  
☐ On Bypass Pumps

4. Is wastewater treatment plant (WWTP) fully operational?

☐ Yes ☐ No ☐ Unknown

5. What is preventing the WWTP from being fully operational? (Describe in comments)

☐ N/A ☐ Disinfection/treatment issues  
☐ The basins/other structures were damaged  
☐ The generator(s) or bypass pump(s) is not working or is out of fuel  
☐ WWTP on Generator power. once grid restored, system will be fully operational

6. Current WWTP Operational Status:

☐ OKT ☐ DES ☐ GT ☐ GPTD ☐ NOTD ☐ NOTND ☐ Site ☐ Out

7. Is the facility bypassing treatment/disinfection? (describe length and time in comments)

☐ Yes ☐ No ☐ Unknown

8. Is the collection system fully operational?

☐ Yes ☐ No ☐ Unknown

9. If collection system is not fully operational, why? (Describe in comments)

☐ N/A ☐ Lift stations are damaged  
☐ Collection system damage  
☐ The generator(s) or bypass pump(s) is not working or is out of fuel  
☐ Collection system on Generator power. Once grid restored, system will be fully operational

10. Current Collection System Operational Status:

☐ OKC ☐ DES ☐ GC ☐ GPC ☐ NOCSSO ☐ NOCNSSO ☐ Site ☐ Out

11. Is/did the facility experience overflows in the collection system? (describe length and extent in comments)

☐ Yes ☐ No ☐ Unknown

12. Is follow-up needed?

☐ No ☐ 1 Week ☐ 2 Weeks ☐ > 2 Weeks

13. Estimated time frame to restore system/facility to "fully operational" status?

☐ N/A ☐ Hours ☐ Days ☐ Weeks ☐ Months ☐ Unknown

14. Current Overall Operational Status:

☐ OK ☐ DES ☐ OpGen ☐ POp ☐ NonOp ☐ Site ☐ Out